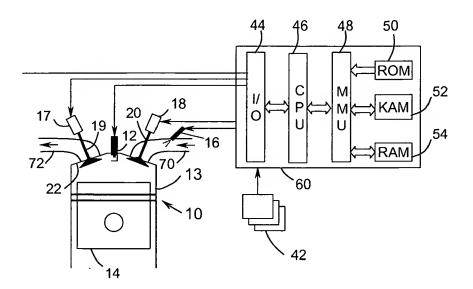
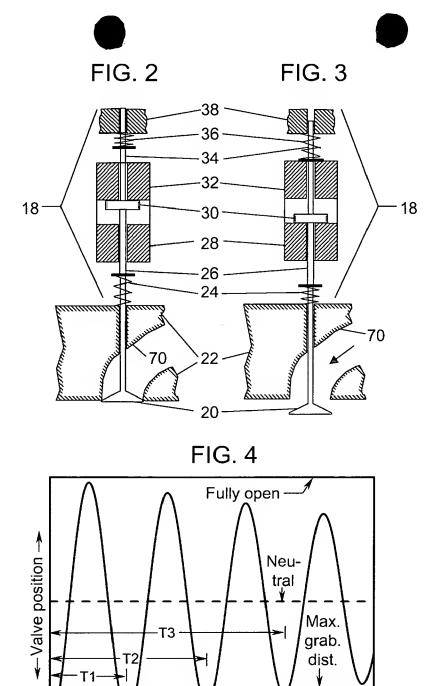
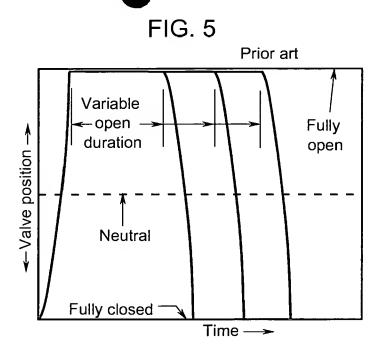
FIG. 1





Fully closed
Time —

T0



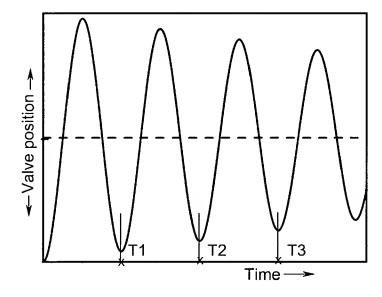
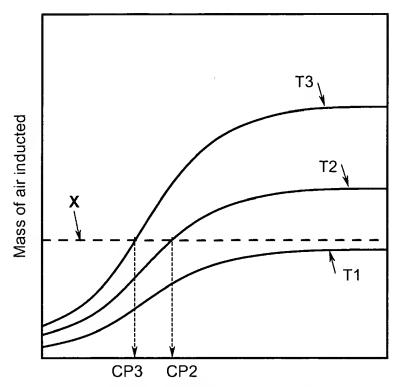


FIG. 6



Crank position of intake valve opening

FIG. 7

